

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)*(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
077-03

Total Pages in this Submission

TO THE ASSISTANT COMMISSIONER FOR PATENTSBox Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**COLORED ROOFING GRANULES WITH INCREASED SOLAR HEAT REFLECTANCE,
SOLAR HEAT-REFLECTIVE SHINGLES, AND PROCESS FOR PRODUCING SAME**

and invented by:

Ming L. Shiao, Husnu M. Kalkanoglu, and Keith C. HongIf a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 35 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications *(if applicable)*
 - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
 - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings *(if filed)*
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

22385 U.S. PTO
10/679898

100603

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Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☐ Formal Number of Sheets _____
- b. ☒ Informal Number of Sheets 2
4. ☒ Oath or Declaration
- a. ☐ Newly executed (original or copy) ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EV281503947US

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Accompanying Application Parts (Continued)

17. ☐ Additional Enclosures *(please identify below):*

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

CLAIMS AS FILED

| For | #Filed | #Allowed | #Extra | Rate | Fee |
|--|--------|----------|--------|-----------|------------|
| Total Claims | 35 | - 20 = | 15 | x \$18.00 | \$270.00 |
| Indep. Claims | 9 | - 3 = | 6 | x \$86.00 | \$516.00 |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/> | | | | | \$0.00 |
| BASIC FEE | | | | | \$770.00 |
| OTHER FEE (specify purpose) _____ | | | | | \$0.00 |
| TOTAL FILING FEE | | | | | \$1,556.00 |

- ☒ A check in the amount of **\$1,556.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. **16-0750** as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



Signature

Alex R. Sluzas
Registration No. 28,669

Paul & Paul
Two Thousand Market Street
Suite 2900
Philadelphia, PA 19103
(215) 568-4900

Dated: October 6, 2003

CC: 1786

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent
application of: Ming L. Shiao, et al.

Serial No. Not yet assigned

Filing Date: Herewith

For: **COLORED ROOFING GRANULES
WITH INCREASED SOLAR HEAT
REFLECTANCE, SOLAR HEAT-
REFLECTIVE SHINGLES, AND
PROCESS FOR PRODUCING SAME**

Docket No: 077-03

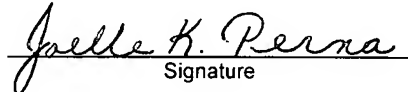
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Date of Deposit: October 6, 2003

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Joelle K. Perna
(type or print name of person making deposit)


Signature

EXPRESS MAIL COVER LETTER

Sir:

Enclosed and attached hereto are the following papers for filing in the United
States Patent and Trademark Office:

1. This Express Mail Transmittal Sheet, in triplicate;
2. Utility Patent Application Transmittal Form, Lg. Entity, 4 pgs. in duplicate;
3. Specification (35 pages);
4. Declaration and Power of Attorney (4 pgs. unexecuted);
5. Two (2) sheets of informal drawings;
6. A check in the amount of \$1,556.00 for payment of application filing fee; and
7. An acknowledgment postcard to be date-stamped and returned to Paul & Paul.

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October 6, 2003
Page 2

The Commissioner is hereby authorized to charge any additional fees associated with this communication to Paul & Paul deposit account number 16-0750, Order No. 1786. This cover letter is being submitted in triplicate.

Respectfully submitted,

October 6, 2003



Alex R. Sluzas
Registration No. 28,669

Order No: 1786

Paul & Paul
Two Thousand Market Street
Suite 2900
Philadelphia, PA 19103
(215) 568-4900